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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/724,096	12/01/2003	Young-Tacg Sul	1504-1035	1393
466 755 YOUNG & THO			EXAM	INER
745 SOUTH 23R			STEWART	, ALVIN J
2ND FLOOR ARLINGTON, V	A 22202		ART UNIT	PAPER NUMBER
	·		3738	
Succession on the second				
SHORTENED STATUTORY F	PERIOD OF RESPONSE	MAIL DATE	DELIVER	Y MODE
3 MONT	THS.	01/23/2007	DAD	ED

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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	Application No.	Applicant(s)
	10/724,096	SUL, YOUNG-TAEG
Office Action Summary	Examiner	Art Unit
	Alvin J. Stewart	3738
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	I. tely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 16 No	ovember 2006	
,	action is non-final.	
3) Since this application is in condition for allowar		secution as to the merits is
closed in accordance with the practice under E		
Disposition of Claims		
4) Claim(s) <u>1-5,7-11 and 33-37</u> is/are pending in t	he application.	
4a) Of the above claim(s) is/are withdraw		
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) <u>1-5, 7 and 33-35</u> is/are rejected.		
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction and/or	r election requirement.	
Application Papers		
9) The specification is objected to by the Examine		
10) ☐ The drawing(s) filed on is/are: a) ☐ acce		
Applicant may not request that any objection to the	= · ·	
Replacement drawing sheet(s) including the correct		
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action of form PTO-152.
Priority under 35 U.S.C. § 119		
12) ☐ Acknowledgment is made of a claim for foreigna) ☐ All b) ☐ Some * c) ☐ None of:	priority under 35 U.S.C. § 119(a))-(d) or (f).
1. Certified copies of the priority documents	s have been received.	
Certified copies of the priority documents	s have been received in Applicati	on No
3. Copies of the certified copies of the prior	·	ed in this National Stage
application from the International Bureau		
* See the attached detailed Office action for a list	of the certified copies not receive	ed.
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Attachment(s)

1) Notice of

I)	\triangle	Notice	Oī	References	Citea	(PI	O-892)	

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

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3)		Information Disclosure	Statement(s) (PTO/SB/08
		Paper No(s)/Mail Date	·

4)		-413
	Paper No(s)/Mail Date	
1	7	

5) Notice of Informal Patent Application

6)	Other:	
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DETAILED ACTION

Response to Amendment

Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-5, 7 and 33-35 are rejected under 35 U.S.C. 102(e) as being anticipated by Kokubo US Patent 5,609,633.

Kokubo discloses a titanium implant (see col. 6, lines 9-10) comprising a titanium oxide (see col. 2, lines 4-15) having a double layer structure of an upper porous layer of the titanium oxide with anodic incorporation of calcium and a lower compact barrier layer of the titanium oxide with anodic incorporation of the calcium, wherein the lower barrier layer comprises less of said additional element than the upper porous layer.

The reference discloses a layer having a composition with a transition of material concentration (therefore, the Examiner can interpreted the transitional layer as having three different layers perse). Therefore, the upper porous layer is the surface extending away from the substrate because concentration of titanium oxide is decreased as disclosed in col. 2, lines 21-22

and the lower barrier layer is the layer having the larger concentration of titanium oxide as shown in col. 2, lines 21-25. See also col. 6, lines 9-17.

Regarding the calcium, see col. 3, lines 1-28.

Regarding claims 3-5, see col. 2, lines 25-28.

Allowable Subject Matter

Claims 8-11 and 36-37 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alvin J. Stewart whose telephone number is 571-272-4760. The examiner can normally be reached on Monday-Friday 7:00AM-5:30PM(1 Friday B-week off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Corrine McDermott can be reached on 571-272-4754. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 3738

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ALVIN J. STEWART PRIMARY EXAMINER Art Unit 3738

December 12, 2006.